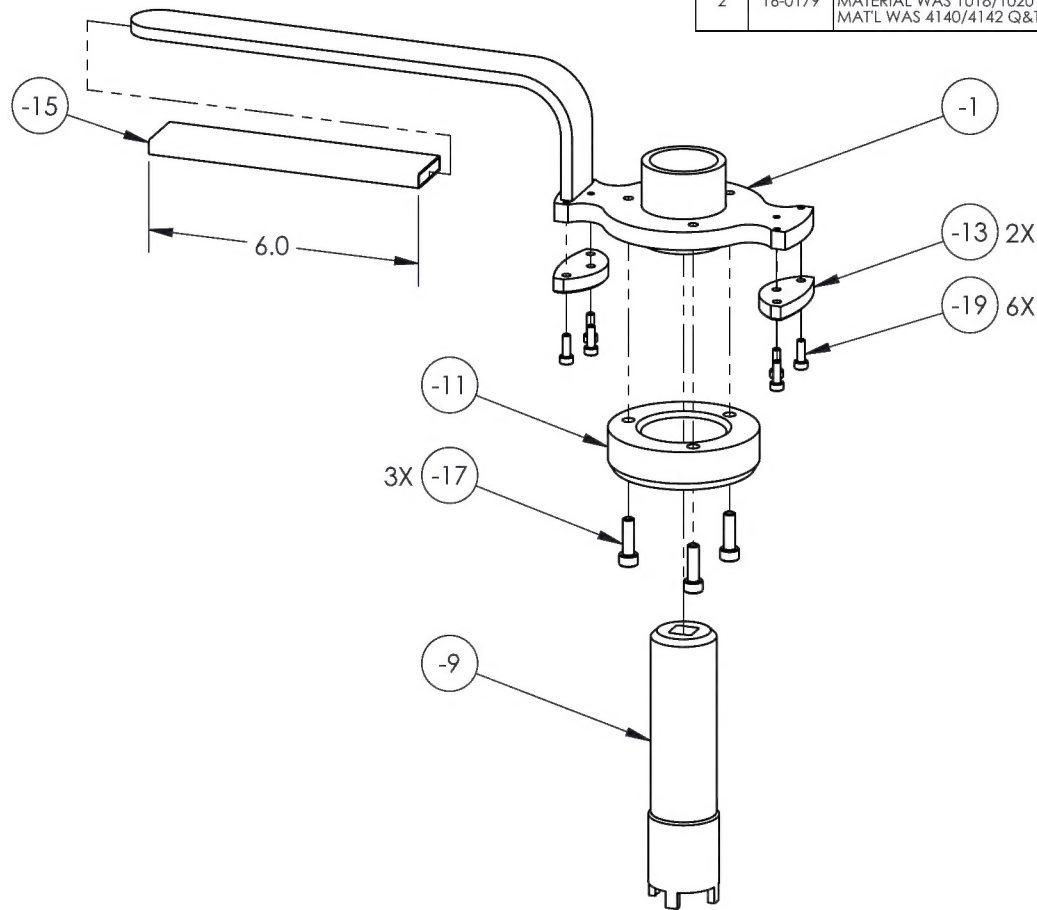


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	6/16/2016	DPD	JAG
2	16-0179	DELETED INK STAMP. -1 ADDED LASER ENGRAVE NOTE. ADDED DIM 6.7 NO ENGRAVE.-3, -7 CH'D MATERIAL WAS 1018/1020 CR IS 4140/4142; ADDED HEAT TREAT. -9 CH'D DIM WAS 4.40 IS 5.27; CH'D MAT'L WAS 4140/4142 Q&T IS 4140/4142; ADDED HEAT TREAT.	10/20/2016	SM	JAG



NOTES:

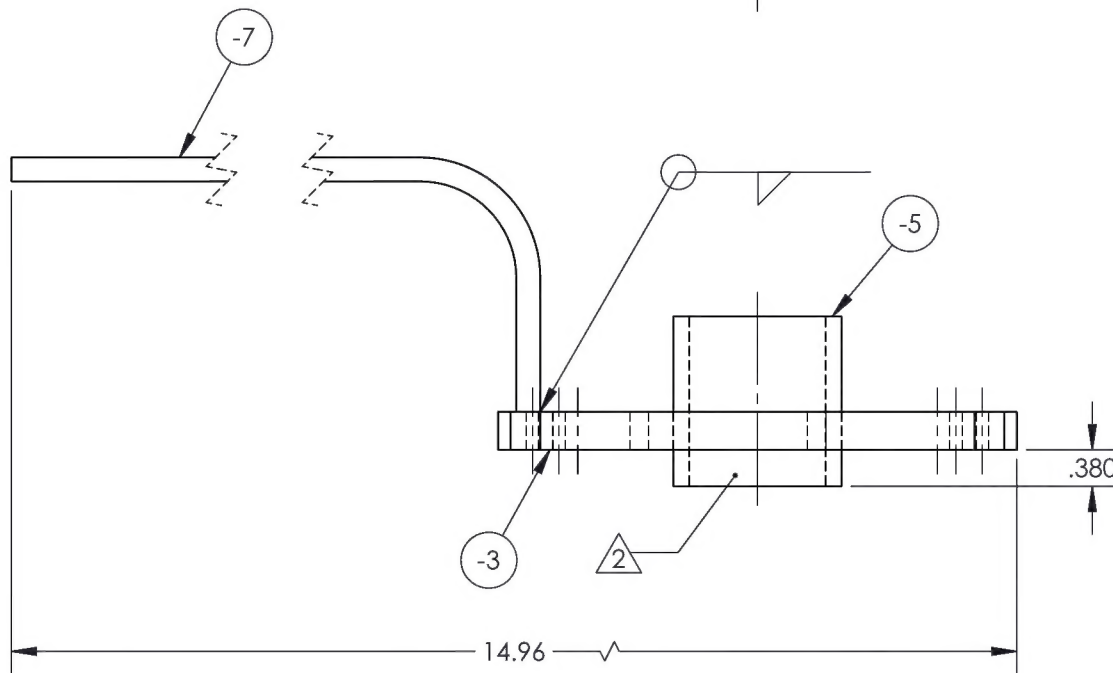
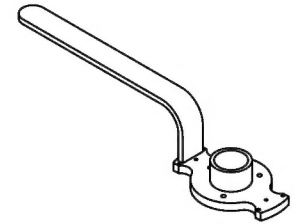
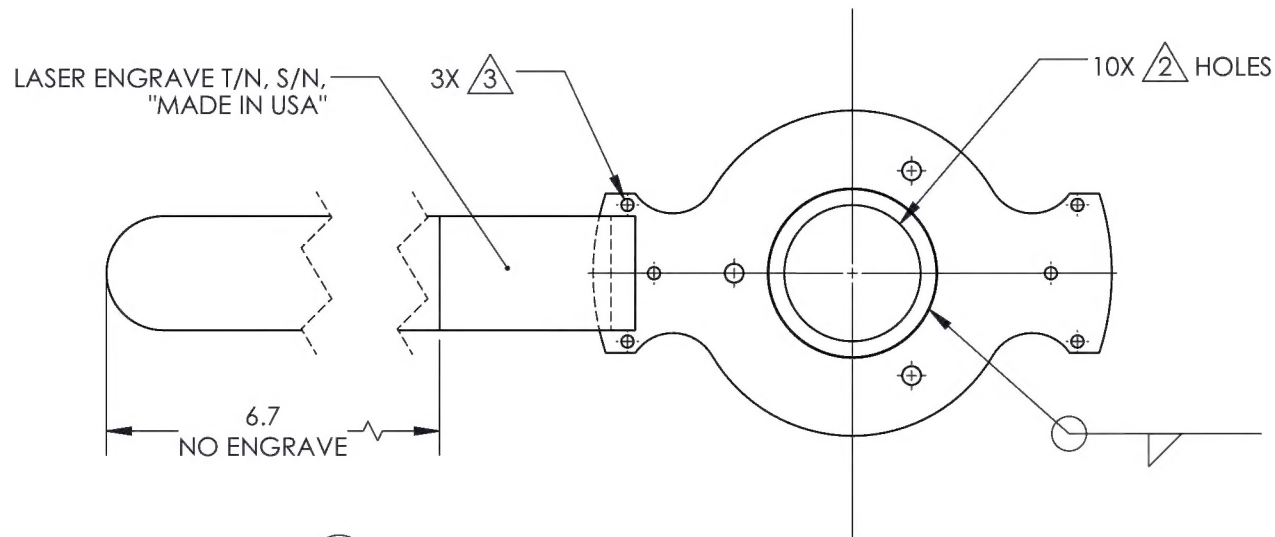
1. REF. AIRBUS T/N: M632V3004129.
2. PART OF KIT: RBEM632V3004103.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	WRENCH WELDMENT			2
	1		-3		BASE PLATE	4140/4142		3
	1		-5		BASE TUBE	CDS		4
	1		-7		HANDLE	4140/4142		5
			-9	1	SOCKET	4140/4142		6
			-11	1	LARGE PAD	WHITE DELRIN/ACETAL		7
			-13	2	SMALL PAD	WHITE DELRIN/ACETAL		8
			-15	1	HEAT SHRINK	POLYOLEFIN	Ø1-1/2 I.D. BEFORE, Ø3/4 AFTER (MCMaster-CARR #7856K64) MODIFIED	1
		B/O	-17	3	SOCKET HEAD CAP SCREW	STEEL	M6 X 1mm X 20mm (MCMaster-CARR #90128A264)	1
		B/O	-19	6	SOCKET HEAD CAP SCREW	STEEL	M4 X 0.7mm X 12mm (MCMaster-CARR #90128A214)	1
	ASSY -1							

		TITLE	
		NUT KEY	
DWG NO.		RBEM632V3004129	
		REV 2	
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
		.X ± .1 SURFACES = 125°	
DRAWN BY:		DUERFELDT	
CHECKED:		CLOUGH	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT	
SCALE		1:4	
DATE		5/3/2016	
		SHEET 1 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0179	•1 ADDED LASER ENGRAVE NOTE. ADDED DIM 6.7 NO ENGRAVE.	12/22/2016	DPD	JAG



-1
WRENCH WELDMENT

NOTES:

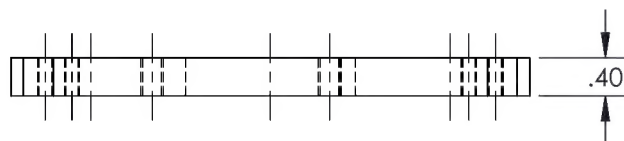
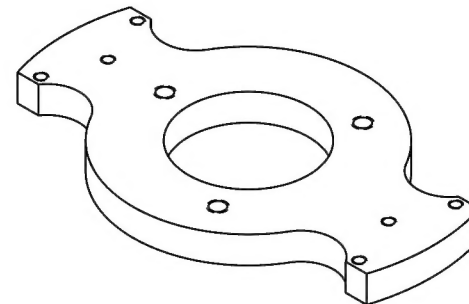
- DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC2.
2ND: POWDER COAT YELLOW, FED #13538.


2 NO POWDER COAT THIS SURFACE.

3 NO WELD IN HOLES.

DART AEROSPACE	
TITLE NUT KEY	
DWG NO. RBEM632V3004129-1	REV 2
MAT'L HEAT TREAT FINISH SEE NOTE 1 SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL H175
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 5/3/2016
SHEET 2 OF 8	

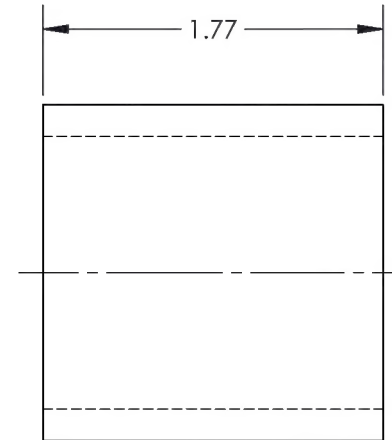
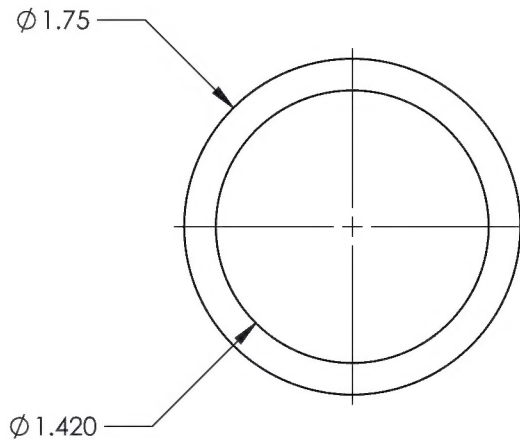
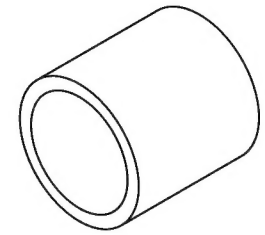
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0179	3 CH'D MATERIAL WAS 1018/1020 CR IS 4140/4142; ADDED HEAT TREAT.	10/20/2016	SM	JAG



			
TITLE			
NUT KEY			
DWG NO.			REV
RBEM632V30041 29-3			2
MAT'L 4140/4142		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125/√	
HEAT TREAT RC 28-34			
FINISH SEE -1			
SPEC			
DRAWN BY: DUERFELDT			
CHECKED: CLOUGH		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
OPPS APPR: ANDERSON		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
QA APPR: LINDSAY		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
APPROVED: GILBERT		USED ON MODEL	
		H175	
SCALE	1:2	DATE	
		5/3/2016	
		SHEET 3 OF 8	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

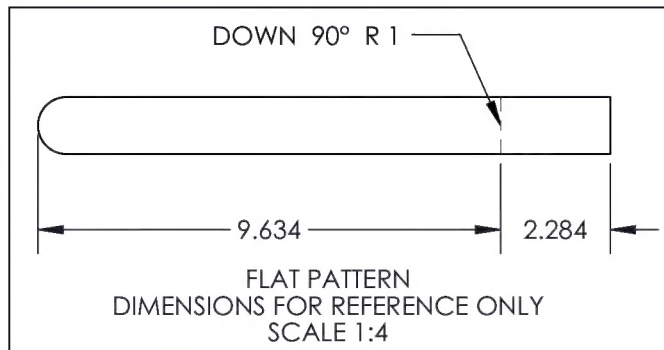
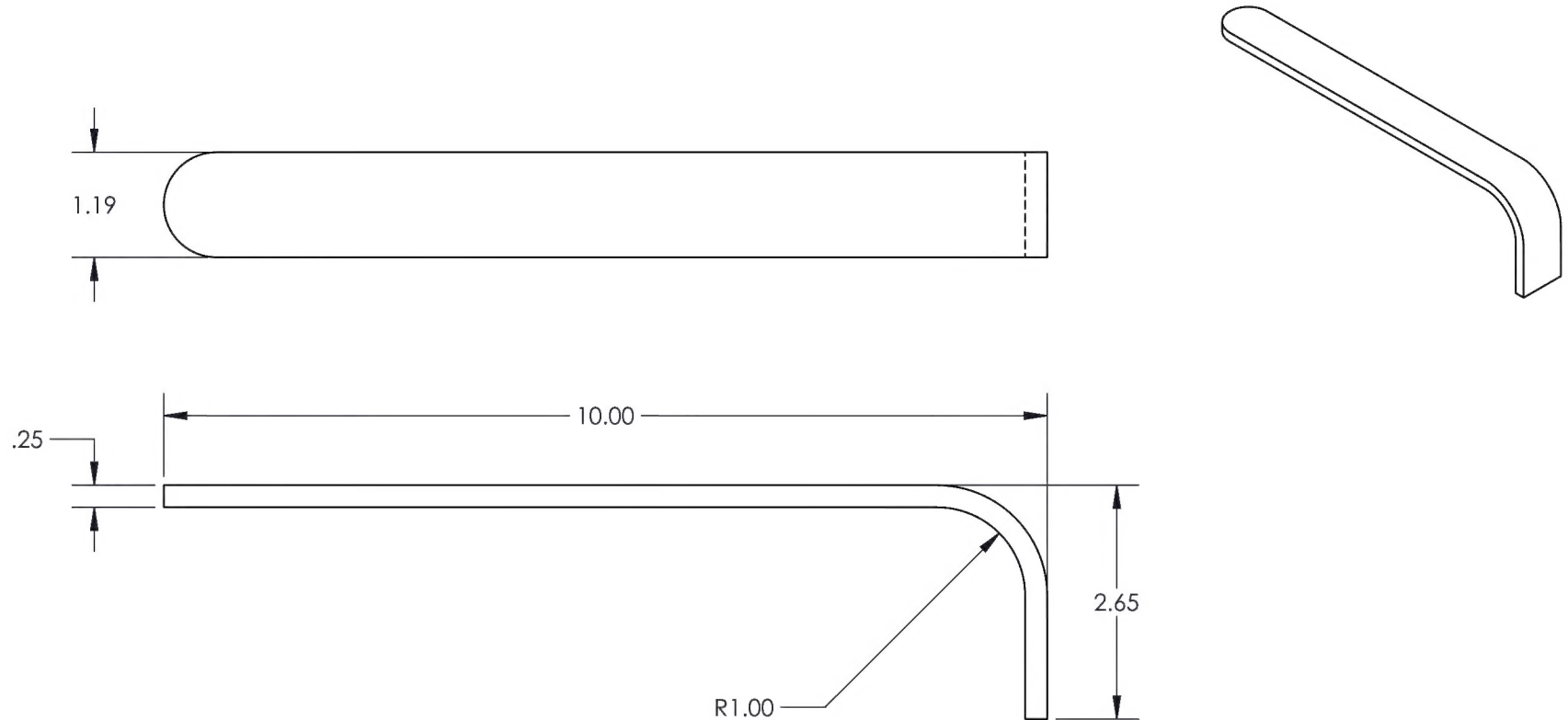


(5)
BASE TUBE

DART AEROSPACE	
TITLE NUT KEY	
DWG NO. RBEM632V3004129-5	REV 2
MAT'L CDS	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 5/3/2016
	SHEET 4 OF 8

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0179	-7 CH'D MAT'L WS 1018/1020 CR IS 4140/4142; ADDED HEAT TREAT.	10/20/2016	SM	JAG

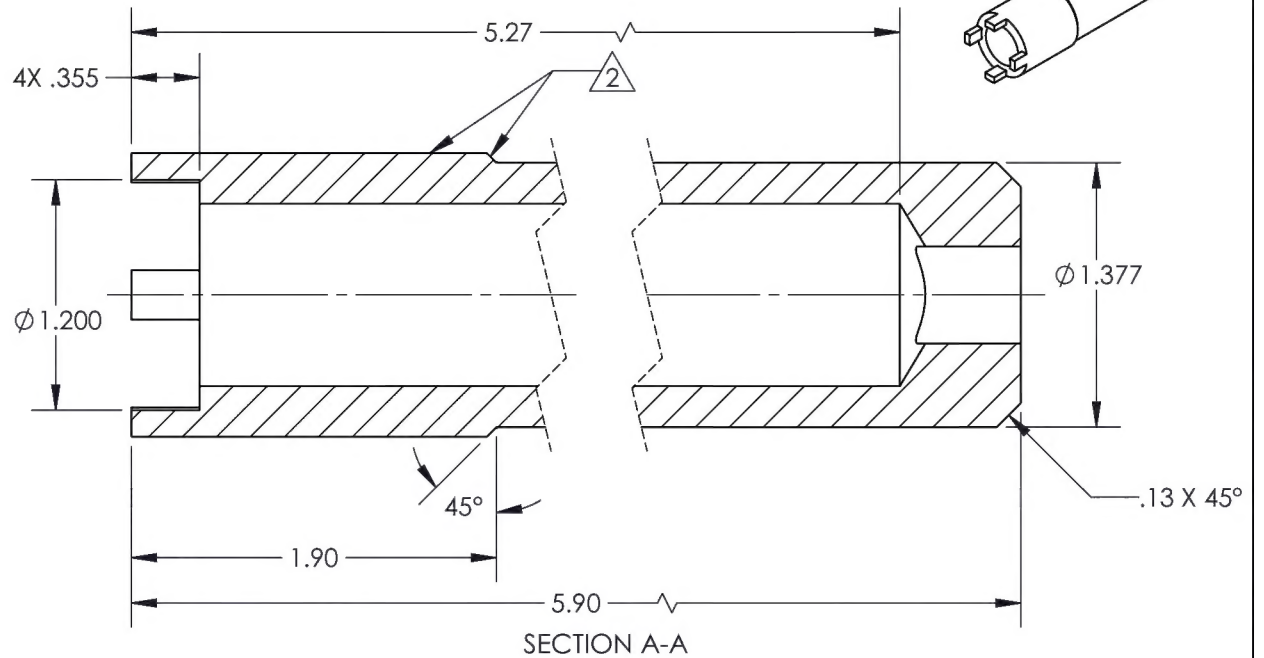
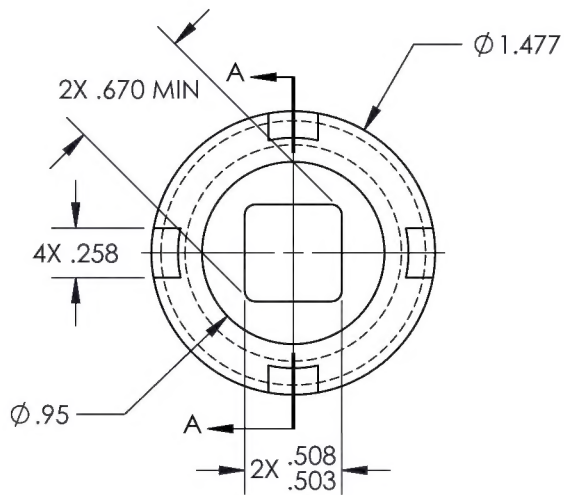


(-7)
HANDLE

DART AEROSPACE	
TITLE NUT KEY	
DWG NO. RBEM632V3004129-7	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-34	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:2	USED ON MODEL
DATE 5/3/2016	H175
	SHEET 5 OF 8

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0179	-9 CH'D DIM WAS 4.40 IS 5.27; CH'D MAT'L WAS 4140/4142 Q&T IS 4140/4142; ADDED HEAT TREAT.	10/20/2016	SM	JAG



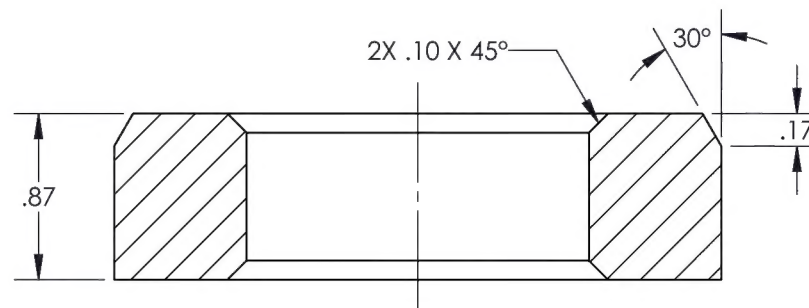
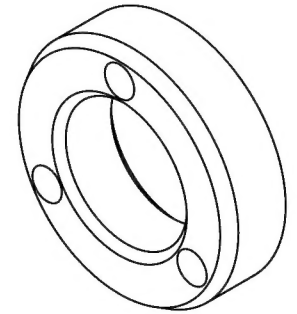
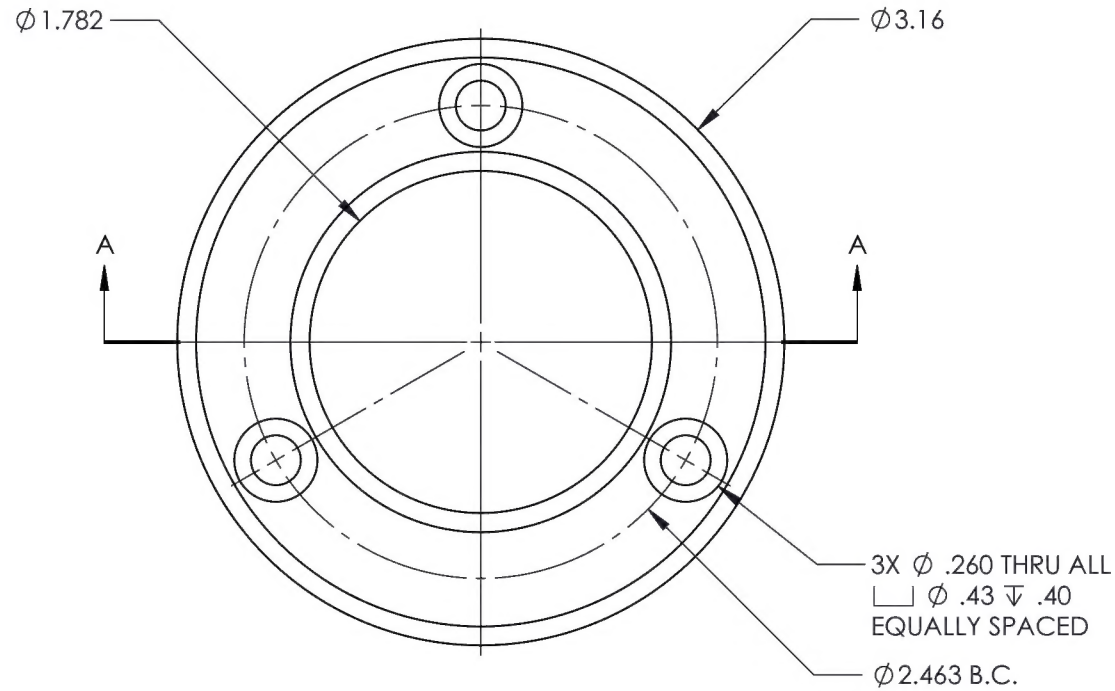
- NOTES:
- DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC2.
2ND: POWDER COAT YELLOW, FED #13538.
 - POWDER COAT THIS SURFACE ONLY.

(-9)
SOCKET

DART AEROSPACE	
TITLE NUT KEY	
DWG NO. RBEM632V3004129-9	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-34	DIMENSIONS ARE IN INCHES
FINISH SEE NOTE 1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 5/3/2016
	SHEET 6 OF 8

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED



SECTION A-A

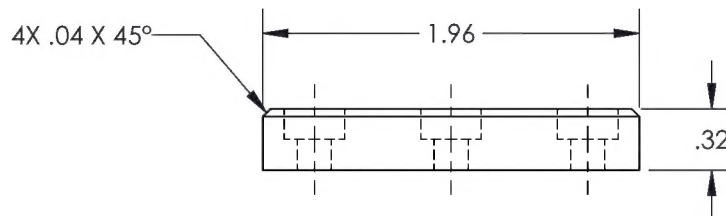
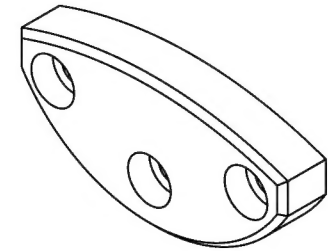
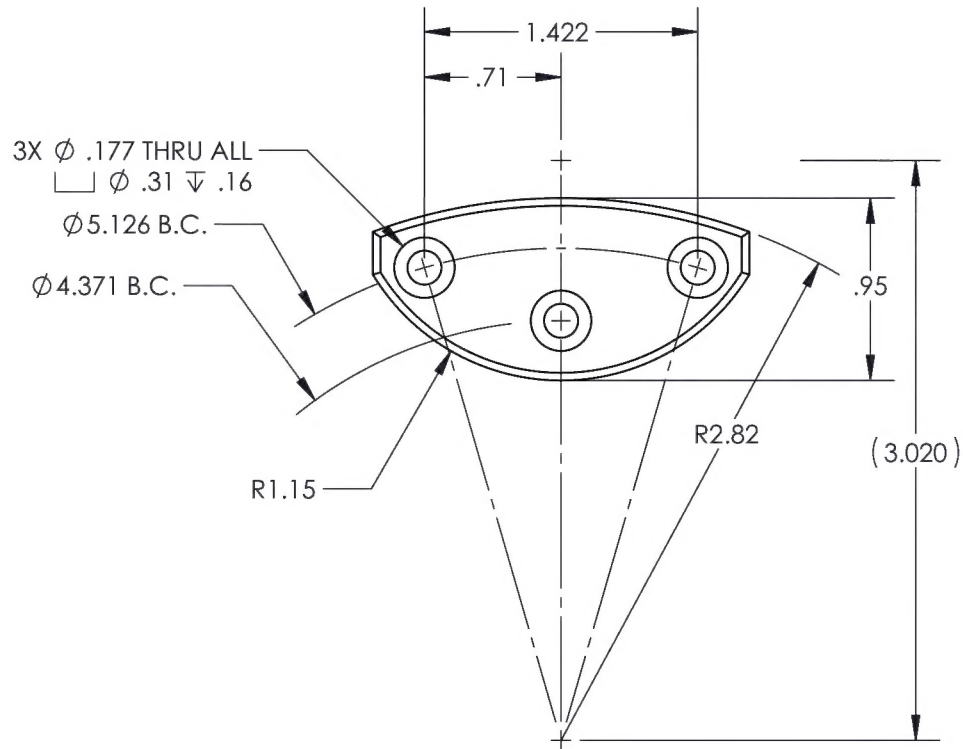
(11)

LARGE PAD

DART AEROSPACE	
TITLE NUT KEY	
DWG NO. RBEM632V3004129-11	REV 2
MAT'L WHITE DELRIN/ACETAL TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm .5° .X \pm .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:1	DATE 5/3/2016
SHEET 7 OF 8	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



(13)
SMALL PAD

DART AEROSPACE	
TITLE NUT KEY	
DWG NO. RBEM632V3004129-13	REV 2
MAT'L WHITE DELRIN/ACETAL TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL H175
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:1	DATE 5/3/2016
SHEET 8 OF 8	